

Comments on the Draft LCGCC Report submitted by Susan Tompkins – March 22, 2010

I am submitting the following FINDINGS to support our recommendation 11 under “Electricity and Power Generation” (aprx.p. 42).

1. Feb. 3, 2006 Electric Fuel Sources Report by PEW Center – presented by Judith Greenwald: *Coal combustion has a 67% energy waste factor, delivering only approximately 33% electricity.*
2. Jan. 12, 2008 – *NC imports energy at a cost of ten billion dollars a year.* “Bases for Policy Recommendations” presented by Dr. Dee Eggers PhD MSPH – UNC – Asheville, NC.
3. Feb. 11, 2008 The NCLCGCC Meeting with Rajendra Pachauri President of the IPCC, Nobel Prize Winner, Director General of the Energy and Resources Institute, and North Carolina State Graduate in Industrial Engineering addressed the danger of delaying action to reduce carbon dioxide emissions stating: *Leaders need to start reducing carbon emissions by 2015 at the latest.*
4. April 22, 2008 *Impact of Future of Electricity Mix* by Electric Power Research Institute p. 13.
5. Nov. 28, 2008 Presentation by John D. Wilson of Southern Alliance for Clean Energy in “Cornerstones Report” (p.20) where energy fuel charts indicate the predominance of coal’s contribution of carbon dioxide in the earth’s atmosphere.
6. Oct. 2009 FINAL REPORT by Climate Action Plan Advisory Group (NC CAPAG): Chapter “Energy Supply” – p.4 – 1: *Coal is the most carbon intensive fossil fuel and the dominant source of North Carolina’s electricity (61%). Emissions are expected to increase to about 98% MMtCO₂e by 2020. But those impacts would decline with reduced fossil fuel emissions from electric generation.*
 - EX-4
 - Figure 1-1 1-7 Electricity Source chart
 - Energy Supply Chapter 4 (4-1) Gross Generation by source 4-2
 - IGCC has limited storage capacity in North Carolina region 4-8

Also, because the introduction to that section states “....should consider the following....” then perhaps we should remove the word “consider” since it already appears as the first word in various recommendations.

Finally, and most important, because of the multiple presentations to our Commission that show that coal is North Carolina’s largest contributor of greenhouse gases, please make this recommendation closer to my originally submitted wording of:

Develop policies to prohibit construction of new coal-fired power plants that do not capture and sequester carbon dioxide and set a timetable to phase out existing coal plants that do not capture and sequester carbon dioxide.

I know this is politically hot but since it's just in this section, it is essential to include the part of my original recommendation that our state set a timetable to phase out existing coal plants that do not capture or sequester carbon dioxide.

Thank you each for your hard work. Please send an acknowledgment of your receiving these FINDINGS for our Commission Recommendations.